

5' CTC GAG CCG CGG CTG TCT GAC TTC CTC CCA GCA CAT TCC TGC ACT CTG CCG TGT	9	18	27	36	45	54
CCA CAC TGC CCC ACA GAC CCA GTC CTC CAA GCC TGC TGC CAG CTC CCT GCA AGC	63	72	81	90	99	108
CCC TCA GGT TGG GCC TTG CCA CGG TGC CAG CAG GCA GCC CTG GGC TGG GGG TAG	117	126	135	144	153	162
GGG ACT CCC TAC AGG CAC GCA GCC CTG AGA CCT CAG AGG GCC ACC CCT TGA GGG	171	180	189	198	207	216
TGG CCA GGC CCC CAG TGG CCA ACC TGA GTG CTG CCT CTG CCA GCC CTG CTG	225	234	243	252	261	270
GCC CCT GGT TCC GCT GGC CCC CCA GAT GCC TGG CTG AGA CAC GCC AGT GGC CTC	279	288	297	306	315	324
AGC TGC CCA CAC CTC TTC CCG GCC CCT GAA GTT GGC ACT GCA GAC AGC TCC	333	342	351	360	369	378
CTG GGC ACC AGG CAG CTA ACA GAC ACA GCC GCC AGC CCA AAC AGC AGC GGC ATG	387	396	405	414	423	432
						M

FIGURE 1A

441	450	459	468	477	486
GGC AGC GCC AGC CCG GGT CTG AGC AGC GTA TCC CCC AGC CAC CTC CTG CTG CCC					
G S A S P G G L S S V S P S H L L L P					
495	504	513	522	531	540
CCC GAC ACG GTG TCG CGG ACA GGC TTG GAG AAG GCG GCA GCG GGA GTG GGT					
P D T V S R T G L E K A A A G A V G					
549	558	567	576	585	594
CTC GAG AGA CGG GAC TGG AGT CCC AGT CCA CCC AGC CCC GAG CAG GGC CTG					
L E R R D W S S P S P P A T P E Q G L					
603	612	621	630	639	648
TCC GCC TTC TAC CTC TCC TAC TTT GAC ATG CTG TAC CCT GAG GAC AGC AGC TGG					
S A F Y L S Y F D M L Y P E D S S W					
657	666	675	684	693	702
GCA GCC AAG GCC CCT GCG GCC AGC AGT CGG GAG GAG CCA CCT GAG GAG CCT GAG					
A A K A P G G A S S R E E P P E P E					
711	720	729	738	747	756
CAG TGC CCG GTC ATT GAC AGC CAA GCC CCA GCG GGC AGC CTG GAC TTG GTG CCC					
Q C P V I D S Q A P A G S L D L V P					
765	774	783	792	801	810
GGC GGG CTG ACC TTG GAG GAG CAC TCG CTG GAG CAG GTG CAG TCC ATG GTG GTG					
G G L T L E E H S L E Q V Q S M V V					

FIGURE 1B

819	828	837	846	855	864
GGC GAA GTG CTC AAG GAC ATC GAG ACG GCC TGC AAG CTG CTC AAC ATC ACC GCA					
G E V L K D I E T A C K L L N I T A					
873	882	891	900	909	918
GAT CCC ATG GAC TGG AGC CCC AGC AAT GTG CAG AAG TGG CTC CTG TGG ACA GAG					
D P M D W S S P S N V Q K W L L W T E					
927	936	945	954	963	972
CAC CAA TAC CGG CTG CCC CCC ATG GGC AAG GCC TTC CAG GAG CTG GCG GGC AAG					
H Q Y R L P P M G K A F Q E L A G K					
981	990	999	1008	1017	1026
GAG CTG TGC GCC ATG TCG GAG GAG CAG TTC CGC CAG CGC TCG CCC CTG GGT GGG					
E L C A M S E E Q F R Q R S P L G G					
1035	1044	1053	1062	1071	1080
GAT GTG CTG CAC GCC CAC CTG GAC ATC TGG AAG TCA GCG GCC TGG ATG AAA GAG					
D V L H A H A H L D I W K S A A W M K E					
1089	1098	1107	1116	1125	1134
CGG ACT TCA CCT GGG GCG ATT CAC TAC TGT GCC TCG ACC AGT GAG GAG AGC TGG					
R T S P G A I H Y C A S T S E E S W					
1143	1152	1161	1170	1179	1188
ACC GAC AGC GAG GTG GAC TCA TCA TGC TCC GGG CAG CCC ATC CAC CTG TGG CAG					
T D S E V D S S C S G Q Q P I H L W Q					

FIGURE 1C

1197 1206 1215 1224 1233 1242  
TTC CTC AAG GAG TTG CTA CTC AAG CCC CAC AGC TAT GGC CGC TTC ATT AGG TGG  
F L K E L L L K P H S Y G R F I R W

1251 1260 1269 1278 1287 1296  
CTC AAC AAG GAG AAG GGC ATC TTC AAA ATT GAG GAC TCA GCC CAG GTG GCC CGG  
L N K E K G I F K I E D S A Q V A R

1305 1314 1323 1332 1341 1350  
CTG TGG GGC ATC CGC AAG AAC CGT CCC GCC ATG AAC TAC GAC AAG CTG AGC CGC  
L W G I R K N R P A M N Y D K L S R

1359 1368 1377 1386 1395 1404  
TCC ATC CGC CAG TAT TAC AAG AAG GGC ATC ATC CGG AAG CCA GAC ATC TCC CAG  
S I R Q Y Y K K G I I R K P D I S Q

1413 1422 1431 1440 1449 1458  
CGC CTC GTC TAC CAG TTC GTG CAC CCC ATC TGA GTG CCT GGC CCA GGG CCT GAA  
R L V Y Q F V H P I

1467 1476 1485 1494 1503 1512  
ACC CGC CCT CAG GGG CCT CTC CTC TCC TGC CTG CCC TGC CTC AGC CAG GCC CTG AGA

1521 1530 1539 1548 1557 1566  
TGG GGG AAA ACG GGC AGT CTG CTC TGC TGC TCT GAC CTT CCA GAG CCC AAG GTC

FIGURE 1D

1575	1584	1593	1602	1611	1620
AGG GAG GGG CAA CCA ACT GCC CCA GGG GGA TAT GGG TCC TCT GGG GCC TTC GGG					
1629	1638	1647	1656	1665	1674
ACC CTG GGG CAG GGG TGC TTC CTC CTC AGG CCC AGC TGC TCC CCT GGA GGA CAG					
1683	1692	1701	1710	1719	1728
AGG GAG ACA GGG CTG CTC CCC AAC ACC TGC CTC TGA CCC CAG CAT TTC CAG AGC					
1737	1746	1755	1764	1773	1782
AGA GCC TAC AGA AGG GCA GTG ACT CGA CAA AGG CCA CAG GCA GTC CAG GCC TCT					
1791	1800	1809	1818	1827	1836
CTC TGC TCC ATC CCC CTG CCT CCC ATT CTG CAC CAC ACC TGG CAT GGT GCA GGG					
1845	1854	1863	1872	1881	1890
AGA CAT CTG CAC CCC TGA GTT GGG CAG CCA GGA GTG CCC CCG GGA ATG GAT AAT					
1899					
AAA GAT ACT AGG CGC 3'					

FIGURE 1E

249	I H L W Q F L K E L L L K P H S Y G R F I R W L N K E K G I	1813005
26	I H L W Q F L K E L L A S P Q V N G T A I R W I D R S K G I	GI 157196
339	R L L W D Y V Y Q L L S D S R - Y E N F I R W E D K E S K I	GI 511283
279	F K I E D S A Q V A R L W G I R K N R P A M N Y D K L S R S	1813005
56	F K I E D S V R V A K L W G R R K N R P A M N Y D K L S R S	GI 157196
368	F R I V D P N G L A R L W G N H K N R T N M T Y E K M S R A	GI 511283
309	I R Q Y Y K K G I I R K P D I S Q R L V Y Q F V	1813005
86	I R Q Y Y K K G I M K K T E R S Q R L V Y Q F C	GI 157196
398	L R H Y Y K L N I I R K - E P G Q R L L F R F M	GI 511283

FIGURE 2